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=> s (methanotrophic (2A) bacteria) (8A) phosphofructokinase
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L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1994:73107 CAPLUS
DN 120:73107
TI Pathways of primary and intermediary metabolism of the psychrophilic
methanotroph
AU Omelchenko, M. V.; Vasilyeva, L. V.; Khmelenina, V. N.; Trotsenko, Yu. A.
CS Inst. Mikrobiol., Moscow, Russia
SO Mikrobiologiya (1993), 62(5), 849-54
CODEN: MIKBA5; ISSN: 0026-3656
DT Journal
LA Russian
AB Enzymol. anal. of primary and intermediary metabolism of the psychrophilic
methanotrophic strain Z-0021 was carried out. The strain had optimum
growth temperature of <15° and oxidized methane to CO₂. Methane was
assimilated via ribulose monophosphate cycle. Ammonia was assimilated via
glutamate cycle and reductive amination of pyruvate by alanine
dehydrogenase.